



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,800	10/03/2003	Todd P. Guay	OID 2002-247-01	3882

55498 7590 03/30/2011
ORACLE INTERNATIONAL CORPORATION
c/o VISTA IP LAW GROUP LLP
1885 LUNDY AVENUE
SUITE 108
San Jose, CA 95131

EXAMINER

AHLUWALIA, NAVNEET K

ART UNIT	PAPER NUMBER
----------	--------------

2166

MAIL DATE	DELIVERY MODE
-----------	---------------

03/30/2011

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/678,800

Applicant(s)

GUAY ET AL.

Examiner

NAVNEET K. AHLUWALIA

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 January 2011.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8, 25-32 and 49-68 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 25-32 and 49-68 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-840)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB-08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. This communication is in response to the Amendment filed 1/10/2011.

Response to Arguments

2. Claims 1 – 8, 25 – 32, and 49 – 68 are pending in this Office Action. After a further search and a thorough examination of the present application, claims 1 – 8, 25 – 32, and 49 – 68 remain rejected.
3. Applicant's arguments filed with respect to claims 1 – 8, 25 – 32, and 49 – 68 have been fully considered but they are not persuasive.

Applicant argues that there is no teaching in Dalal of a single entry comprises both the metric value and the set value, wherein at least some of the individual values are lost with the metric value and the individual values are not lost with the set value.

In response to Applicant's argument, the Examiner submits that Dalal teaches a single entry comprises both the metric value and the set value, wherein at least some of the individual values are lost with the metric value and the individual values are not lost with the set value. In column 6 lines 32 – 47 and column 7 lines 11 – 25, figure 7 Dalal discloses a single entry comprises both the metric value and the set value, wherein at least some of the individual values are lost with the metric value and the individual values are not lost with the set value.

Remaining claims in instant application recite the same subject matter and for the same reasons as cited above the rejection is maintained. Hence, Applicant's arguments

do not distinguish the claimed invention over the prior art of record. In light of the foregoing arguments, the 102 rejections are sustained.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1 – 8, 25 – 32, and 49 – 68 are rejected under 35 U.S.C. 102(b) as being anticipated by Ketan Dalal ('Dalal' herein after) (5,537,589).

With respect to claim 1,

Dalal discloses a method of aggregating a plurality of entries in a table in a database management system into an aggregated entry in the table or another table in the database management system, the method comprising: making the aggregated entry, by using a processor, the aggregated entry representing the plurality of entries and including a first field whose value is a metric value computed from a set of individual values of a field in the plurality of entries and a second field whose value is a representation of the individual values, the metric value having the property that the individual values from which the metric value was computed cannot derived from the metric value and the representation of the individual values having the property that the individual values are derivable therefrom, so that a single entry comprises both the

metric value and the set value, wherein at least some of the individual values are lost with the metric value and the individual values are not lost with the set value (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 2,

Dalal discloses the method set forth in claim 1 further comprising the step of: deleting the plurality of entries represented by the aggregated entry (figures 1, 2, 10, 11, column 9 lines 11 – 23, Dalal).

With respect to claim 3,

Dalal discloses the method set forth in claim 1 wherein: the second field's value has a size which varies with the number of the individual values (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 4,

Dalal discloses the method set forth in claim 3 wherein: The second field's value is a character string wherein the character string comprising a sequence of for each individual member of the set and separator characters separating each sequences of characters (figures 4, 6, 11, column 4 lines 1 – 20, Dalal).

With respect to claim 5,

Dalal discloses the method set forth in claim 1 wherein: the second field's value has a size which is constant regardless of the number of the individual members in the set (figures 2, 10, 12, Dalal).

With respect to claim 6,

Dalal discloses the method set forth in claim 5 wherein: the second field's value comprises a string of elements, the string of elements having an element corresponding to each potential value of the individual values that belong to the set, the presence of a particular individual value in the set being indicated by a first value of the corresponding element and the absence of the particular individual value being indicated by a second value of the corresponding element (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 7,

Dalal discloses the method set forth in claim 1 wherein: the individual values are time values (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 8,

Dalal discloses the method set forth in claim 1 wherein: the individual values are location values (figures 1, column 8 lines 63 – 67, Dalal).

With respect to claim 49,

Dalal discloses the method of aggregating a plurality of entries set forth in claim 1 wherein: the entries belonging to the plurality indicate occurrences of an event in the database management system, the occurrences being recorded by a management service in the database management system (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 50,

Dalal discloses the method of aggregating a plurality of entries set forth in claim 49 further comprising the step of: deleting the plurality of entries represented by the aggregated entry (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 51,

Dalal discloses the method of aggregating a plurality of entries set forth in claim 50 wherein: the individual values indicate times of occurrence of the event of interest (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 52,

Dalal discloses the method of aggregating a plurality of entries set forth in claim 50 wherein: the individual values indicate places of occurrence of the event of interest

(figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 25,

Dalal discloses a data storage device, characterized in that: the data storage device contains code which when executed by a processor performs aggregation of a plurality of entries in a table in a database management system into an aggregated entry in the table or another table in the database management system, the method comprising the steps of: making the aggregated entry, the aggregated entry representing the plurality of entries and including a first field whose value is a metric value computed from a set of individual values of a field in the plurality of entries and a second field whose value is a representation of the individual values the metric value having the property that the individual values from which the metric value was computed cannot derived from the metric value and the representation of the individual values having the property that the individual values are derivable therefrom so that a single entry comprises both the metric value and the set value, wherein at least some of the individual values are lost with the metric value and the individual values are not lost with the set value (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 26,

Dalal discloses the data storage device set forth in claim 25 further characterized in that: the method further comprises the step of deleting the plurality of entries represented by the aggregated entry (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 27,

Dalal discloses the data storage device set forth in claim 25 further characterized in that: the second field's value has a size which varies with the number of the individual values (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 28,

Dalal discloses the data storage device set forth in claim 27 further characterized in that: The second field's value a character string wherein each member is represented by a sequence of characters and the sequences of characters are separated by a separator character (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 29,

Dalal discloses the data storage device set forth in claim 25 further characterized in that: the second field's value has a size which is constant regardless of the number of individual values (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 –

67, column 9 lines 11 – 23, Dalal).

With respect to claim 30,

Dalal discloses the data storage device set forth in claim 29 further characterized in that: the second field's value comprises a string of elements, there having an element corresponding to each potential value of the individual values that belong to the set, the presence of a particular member in the set being indicated by a first value of the corresponding element and the absence of the particular member being indicated by a second value of the corresponding element (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 31,

Dalal discloses the data storage device set forth in claim 25 further characterized in that: the individual values are time values (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 32,

Dalal discloses the data storage device set forth in claim 25 further characterized in that: the individual values are location values (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 53,

Dalal discloses the data storage device set forth in claim 25 wherein: the entries belonging to the plurality indicate occurrences of an event in the database management system, the occurrences being recorded by a management service in the database management system (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 54,

Dalal discloses the data storage device set forth in claim 53 wherein the code further comprises: instructions for deleting the plurality of entries represented by the aggregated entry (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 55,

Dalal discloses the data storage device set forth in claim 54 wherein: the individual values indicate times of occurrence Of the event of interest (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 56,

Dalal discloses the data storage device set forth in claim 54 wherein: the individual values indicate places of occurrence of the event of interest (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 57,

Dalal discloses a computer system for aggregating a plurality of entries in a table in a database management system into an aggregated entry in the table or another table in the database management system, the system comprising: a processor for making the aggregated entry, the aggregated entry representing the plurality of entries and including a first field whose value is a metric value computed from a set of individual values of a field in the plurality of entries and a second field whose set value is a representation of the set of individual values, the metric value having the property that the individual values from which the metric value was computed cannot be derived from the metric value and the representation of the individual values having the property that the individual values are derivable therefrom, so that a single entry comprises both the metric value and the set value, wherein at least some of the individual values are lost with the metric value and the individual values are not lost with the set value (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 58,

Dalal discloses the system set forth in claim 57, wherein the processor further performs the act of deleting the plurality of entries represented by the aggregated entry (figures 1, 2, 10, 11, column 9 lines 11 – 23, Dalal).

With respect to claim 59,

Dalal discloses the system set forth in claim 57, wherein: the second field's value has a size which varies with the number of the individual values (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 60,

Dalal discloses the system set forth in claim 59, wherein: the second field's value is a character string, the character string comprising a sequence of characters for each individual member of the set, and separator characters separating each sequence of characters (figures 4, 6, 11, column 4 lines 1 – 20, Dalal).

With respect to claim 61,

Dalal discloses the system set forth in claim 57, wherein: the second field's value has a size which is constant regardless of the number of the individual members in the set (figures 2, 10, 12, Dalal).

With respect to claim 62,

Dalal discloses the system set forth in claim 61, wherein: the second field's value comprises a string of elements, the string of elements having an element corresponding to each potential value of the individual values that belong to the set, the presence of a particular individual value in the set being indicated by a first value of the corresponding element and the absence of the particular individual value from the set being indicated

by a second value of the corresponding element (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 63,

Dalal discloses the system set forth in claim 57, wherein: the individual values are time values (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 64,

Dalal discloses the system set forth in claim 57, wherein: the individual values are location values (figures 1, column 8 lines 63 – 67, Dalal).

With respect to claim 65,

Dalal discloses the system of aggregating a plurality of entries set forth in claim 57, wherein: the entries belonging to the plurality indicate occurrences of an event in the database management system, the occurrences being recorded by a management service in the database management system (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 66,

Dalal discloses the system of aggregating a plurality of entries set forth in claim 65, wherein the processor further performs the act of: deleting the plurality of entries

represented by the aggregated entry (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 67,

Dalal discloses the system of aggregating a plurality of entries set forth in claim 66, wherein: the individual values indicate times of occurrence of the event of interest (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

With respect to claim 68,

Dalal discloses the system of aggregating a plurality of entries set forth in claim 66, wherein: the individual values indicate places of occurrence of the event of interest (figures 1, 4, 5a-c, 10, 11, column 4 lines 1 – 20, column 8 lines 63 – 67, column 9 lines 11 – 23, Dalal).

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Navneet K. Ahluwalia whose telephone number is 571-272-5636.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam T. Hosain can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Navneet K. Ahluwalia/
Examiner, Art Unit 2166

Dated: 3/22/2011

/Hosain T Alam/
Supervisory Patent Examiner, Art Unit 2166